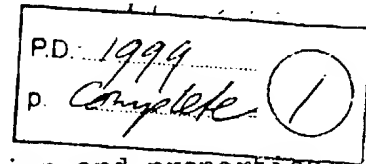


XP-002129270



? .li

1/11 - (C) Compendex / EI

AN - EIX99284673861

DT - J Journal Article

TI - Glass yarn: Sized for better PCB fabrication and properties

AU - Novich Bruce E

PUB - Print Circuit Fabr; Printed Circuit Fabrication

- 1999

- Miller Freeman Publ Inc, San Francisco, CA, USA

IRN - ISSN 0274-8096

VOL - 22

NR - 4

PG - 52 - 53

LA - English

PCC - 714.2; 812.3; 415; 801.4; 913.1; 421

IW - Printed circuit manufacture; Glass fibers; Laminated composites;
Surface chemistry; Process engineering; Stiffness; Resins; Benchmarking

AW - Laminate hydrolytic stability; Yarn sizing method

AB - A fiber-glass yarn is developed to improve the properties of printed
circuit boards (PCB). Hybron RCY yarn is a resin-compatible twisted
E-glass yarn which has a proprietary surface chemistry that may enable
significant PCB fabrication and performance enhancements. The surface

Continue: Y / N

? Y

chemistry, or sizing, which is applied during the yarn manufacturing,
may eliminate degradative glass fabric fabrication steps. Initial test
results indicate that laminates made with the new yarn sizing have the
potential for increased laminate strength and stiffness, improved
hydrolytic stability and enhanced drilling characteristics. It also
eliminates heat cleaning which results in a stronger glass
reinforcement for circuit boards.

09/705-575